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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/618,700	07/15/2003	Katsuhide Tsukamoto	030765	4917
23850 75	590 12/22/2003		EXAM	INER
ARMSTRONG, KRATZ, QUINTOS, HANSON & BROOKS, LLP			HINZE, LEO T	
1725 K STREE SUITE 1000	T, NW		ART UNIT	PAPER NUMBER
WASHINGTO!	N, DC 20006		2854	

DATE MAILED: 12/22/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
Office Action Summary	10/618,700	TSUKAMOTO ET AL.				
omoo nouon cummary	Examiner	Art Unit				
The MAILING DATE of this communication and	Leo T. Hinze	2854				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, - Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b). Status	36(a). In no event, however, may a reply be to within the statutory minimum of thirty (30) da will apply and will expire SIX (6) MONTHS fron cause the application to become ABANDON	imely filed ys will be considered timely. In the mailing date of this communication. ED (35 U.S.C. § 133).				
1) Responsive to communication(s) filed on 15 Ju	<u>ıly 2003</u> .					
2a) This action is FINAL . 2b) ■ This a	action is non-final.					
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims						
 4) Claim(s) 1-3 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) 1-3 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement. 						
Application Papers						
9) The specification is objected to by the Examine 10) The drawing(s) filed on 15 July 2003 is/are: a) Applicant may not request that any objection to the of Replacement drawing sheet(s) including the correction	☑ accepted or b)☐ objected to drawing(s) be held in abeyance. So	ee 37 CFR 1.85(a).				
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority under 35 U.S.C. §§ 119 and 120						
a) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priority application from the International Bureau * See the attached detailed Office action for a list 13) Acknowledgment is made of a claim for domestic since a specific reference was included in the first 37 CFR 1.78. a) The translation of the foreign language pro 14) Acknowledgment is made of a claim for domestic reference was included in the first sentence of the company of the foreign language pro 14. Acknowledgment is made of a claim for domestic reference was included in the first sentence of the company of the foreign language pro 14. Acknowledgment is made of a claim for domestic reference was included in the first sentence of the certified copies of the priority documents application from the	s have been received. s have been received in Applica rity documents have been receiv u (PCT Rule 17.2(a)). of the certified copies not receiv c priority under 35 U.S.C. § 119 st sentence of the specification of evisional application has been re c priority under 35 U.S.C. §§ 12	tion No yed in this National Stage red. (e) (to a provisional application) or in an Application Data Sheet. received. 0 and/or 121 since a specific				
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449) Paper No(s)	5) 🔲 Notice of Informal	y (PTO-413) Paper No(s) Patent Application (PTO-152)				

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DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 2. Claims 1 and 2 are rejected under 35 U.S.C. 102(b) as being anticipated by Beldham et al., US 5,059,954.

Regarding claim 1, Beldham et al. teach a liquid level detector wherein a nozzle (16) is arranged in a container (12) containing liquid (14), and air is discharged into the liquid from an opening of said nozzle and the back pressure in said nozzle is detected ("pressure switch 20 can sense the pressure in the probe", col. 3, lines 16-18), thereby the liquid level is detected, and said liquid level detector being characterized by said opening of said nozzle (18) is arranged to be inclined with respect to the liquid level (Figure).

Regarding claim 2, Beldham et al. teach wherein said opening (18) of said nozzle (16) is opened in a direction inclined with respect to the axial direction of said nozzle (Figure).

3. Claims 1 and 3 are rejected under 35 U.S.C. 102(b) as being anticipated by Brown et al., US 3,307,397.

Regarding claim 1, Brown et al. teach a liquid level detector wherein a nozzle (4) is arranged in a container (6) containing liquid (8), and air is discharged into the liquid from an Application/Control Number: 10/618,700

Art Unit: 2854

opening of said nozzle and the back pressure in said nozzle is detected, thereby the liquid level is

detected (col. 1, lines 20-31), and said liquid level detector being characterized by said opening

of said nozzle (4) is arranged to be inclined with respect to the liquid level (Fig. 1).

Regarding claim 3, Brown et al. teach wherein said opening of said nozzle (4) is opened

in a direction generally perpendicular to the axial direction of said nozzle, and said nozzle is

arranged with the axis thereof inclined with respect to said liquid level (Fig. 1).

Conclusion

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Leo T. Hinze whose telephone number is (703) 305-3339. The

examiner can normally be reached on M-F 8:00-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Andrew Hirshfeld can be reached on (703) 305-6619. The fax phone number for the

organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding

should be directed to the receptionist whose telephone number is (703) 305-0952.

ANDREW H. HIRSHFELD
SUPERVISORY PATENT EXAMINER

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Leo T. Hinze Patent Examiner AU 2854 12 December, 2003